

## ABSTRACT

A method of determining filter coefficients for filter stages in a multirate digital filter device to achieve a desired filter response. The method includes the step of determining a first plurality of evenly spaced sample points representing the desired response function on a logarithmic time scale, such that the sample points of the first plurality have an increasing spacing when viewed in a linear time scale. The method further includes the step determining filter coefficients for each filter stage from an associated group of sample points out of the first plurality of sample points.